FIG. 1A

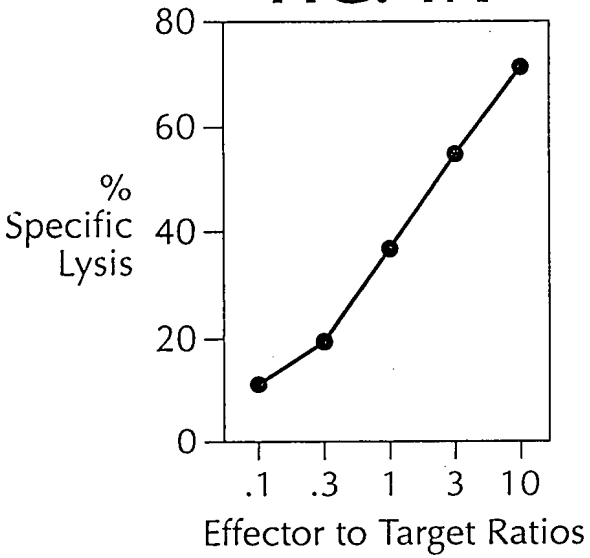


FIG. 1B

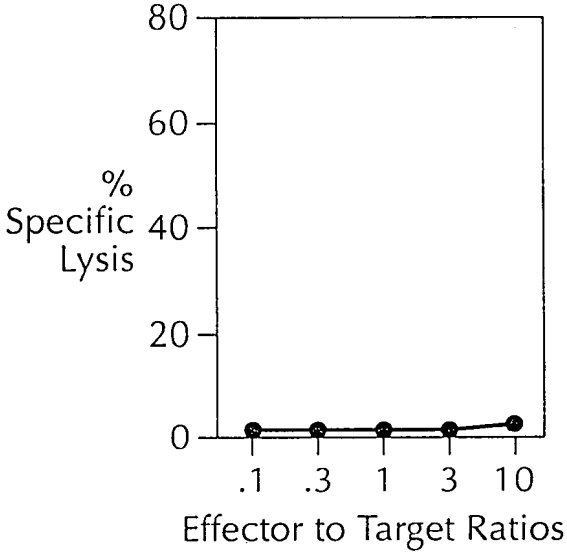


FIG. 1C

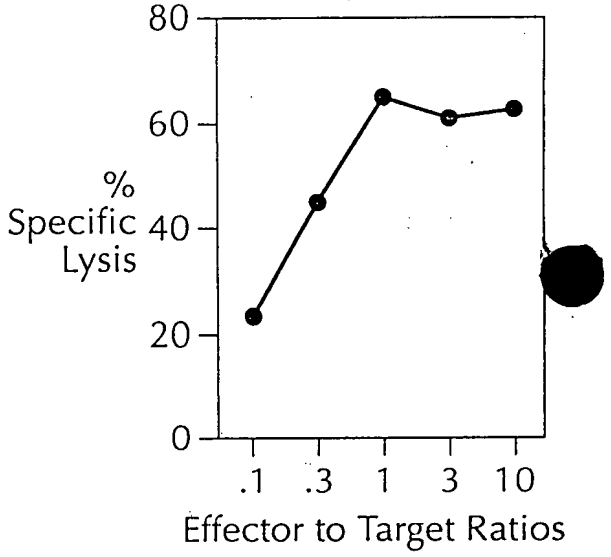


FIG. 1D

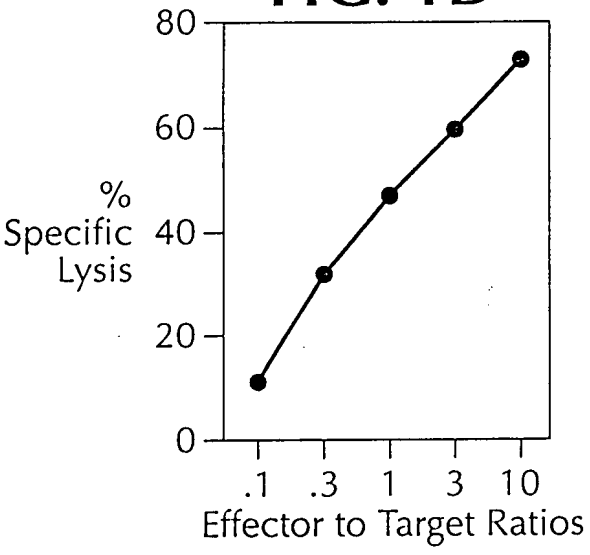


FIG. 1E

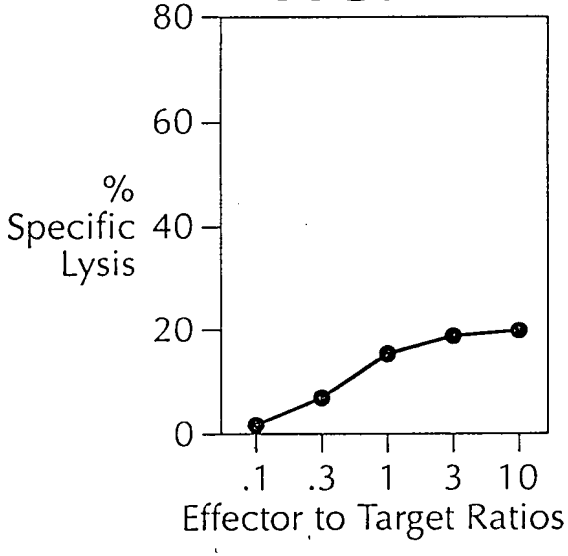


FIG. 1F

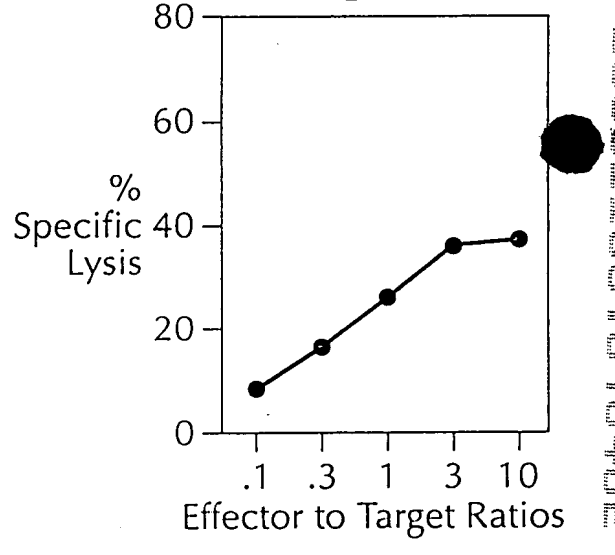


FIG. 2

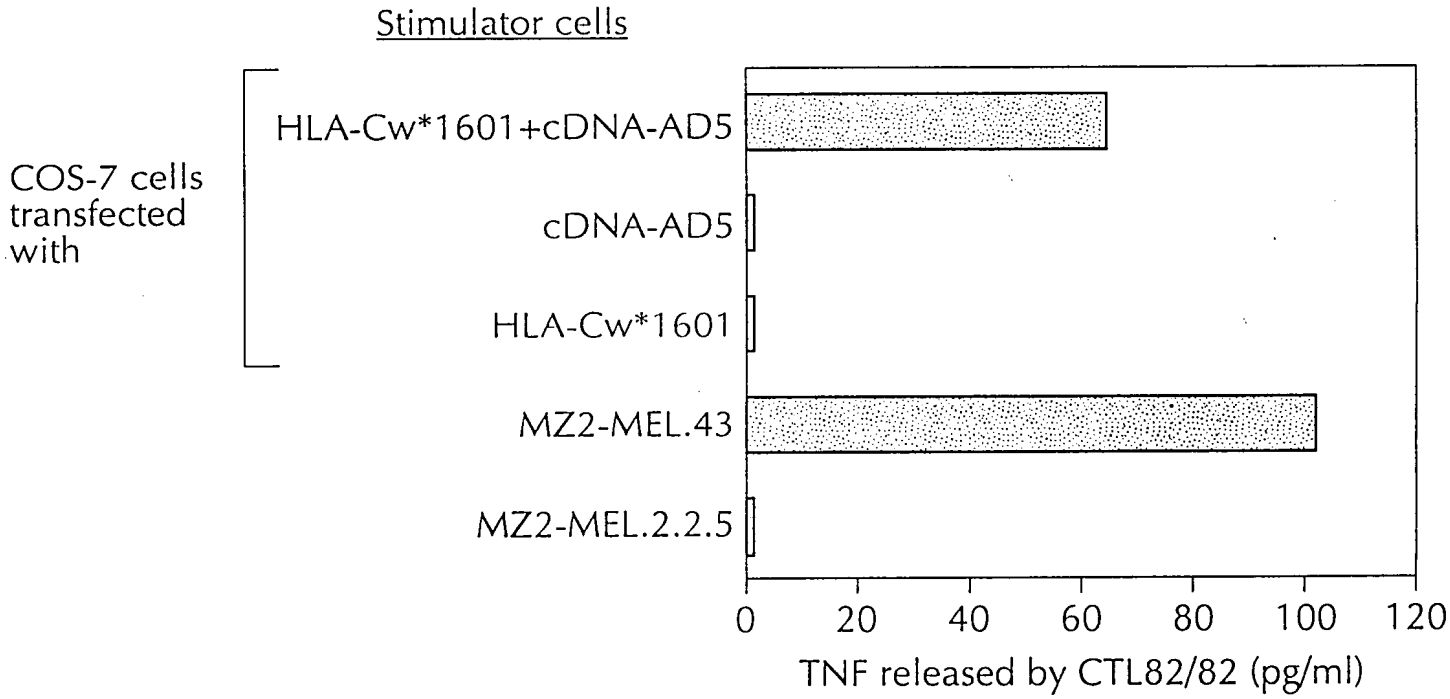

Stimulator cells
COS-7 cells transfected with
HLA-Cw*1601+cDNA-AD5
cDNA-AD5
HLA-Cw*1601
MZ2-MEL.43
MZ2-MEL.2.2.5
0
20
40
60
80
100
120
TNF released by CTL82/82 (pg/ml)

FIG. 3A

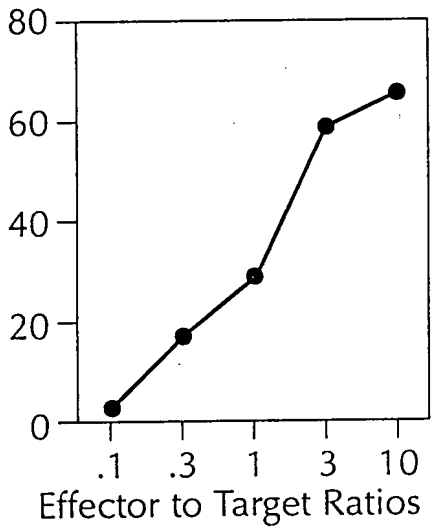


FIG. 3B

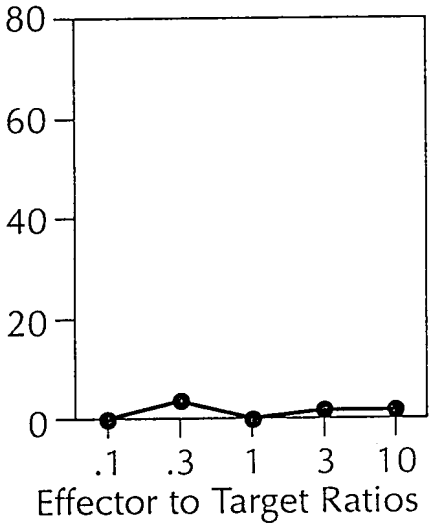


FIG. 3C

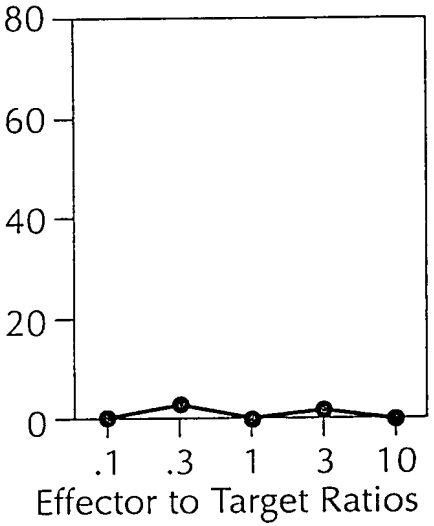


FIG. 3D

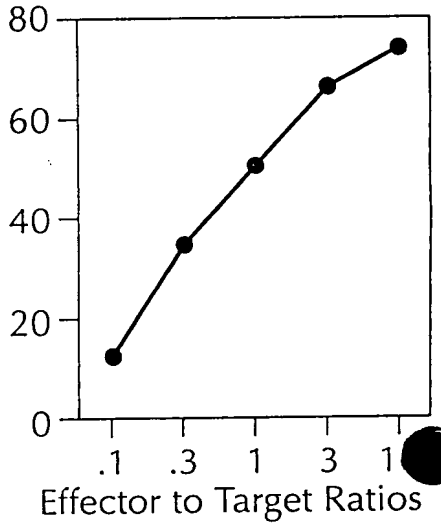


FIG. 4

CGCCAATTTA GGGTCTCCGG TATCTCCCGC TGAGCTGCTC TGTTCCCGGC TTAGAGGACC 60
AGGAGAAGGG GGAGCTGGAG GCTGGAGCCT GTAACACCGT GGCTCGTCTC ACTCTGGATG 120
GTGGTGGCAA CAGAGATGGC AGCGCAGCTG GAGTGTTAGG AGGGCGGCCT GAGCGGTAGG 180
M A A R A V F L A L S A Q 13
AGTGGGGCTG GAGCAGTAAG ATGGCGGCCA GAGCGGTTTT TCTGGCATTG TCTGCCCAGC 240
L L Q A R L M K E E S P V V S W R L E P 33
TGCTCCAAGC CAGGCTGATG AAGGAGGAGT CCCCTGTGGT GAGCTGGAGG TTGGAGCCTG 30
E D G T A L C F I F 4
AAGACGGCAC AGCTCTGTGC TTCATCTTCT GAGGTTGTGG CAGCCACGGT GATGGAGACG 360
GCAGCTCAAC AGGAGCAATA GGAGGAGATG GAGTTTCACT GTGTCAGCCA GGATGGTCTC 420
GATCTCCTGA CCTCGTGATC CGCCCGCCTT GGCCTTCCAA AGTGCCGAGA TTACAGCGAT 480
GTGCATTTTG TAAGCACTTT GGAGCCACTA TCAAATGCTG TGAAGAGAAA TGTACCCAGA 540
TGTATCATTA TCCTTGTGCT GCAGGAGCCG GCTCCTTTCA GGATTTCAGT CACATCTTCC 600
TGCTTTGTCC AGAACACATT GACCAAGCTC CTGAAAGATG TAAGTTTACT ACGCATAGAC 660
TTTTAAACTT CAACCAATGT ATTTACTGAA AATAACAAAT GTTGTAAATT CCCTGAGTGT 73
TATTCTACTT GTATTAAAAG GTAATAATAC ATAATCATTA AAATCTGAGG GATCATTGCC 780
AGAGATTGTT GGGGAGGGAA ATGTTATCAA CGGTTTCATT GAAATTAAAT CCAAAAAGTT 840
ATTTCCTCAG AAAAATCAAA TAAAGTTTGC ATGTTTTTTA TTCTTAAAAC ATTTTAAAAA 900
CCACTGTAGA ATGATGTAAA TAGGGACTGT GCAGTATTTC TGACATATAC TATAAAATTA 960
TTAAAAAGTC AATCAGTATT CAACATCTTT TACACTAAAA AGCC 1004

FIG. 5

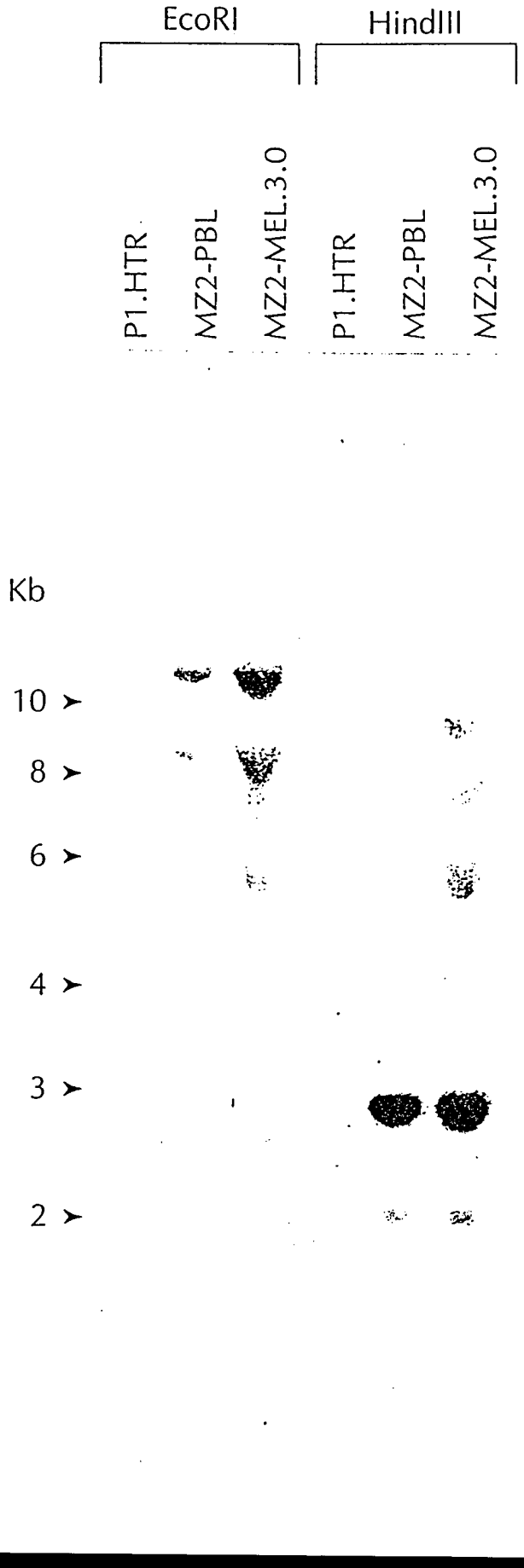

EcoRI
HindIII
P1.HTR
MZ2-PBL
MZ2-MEL.3.0
P1.HTR
MZ2-PBL
MZ2-MEL.3.0
Kb
10
8
6
4
3
2

FIG. 6

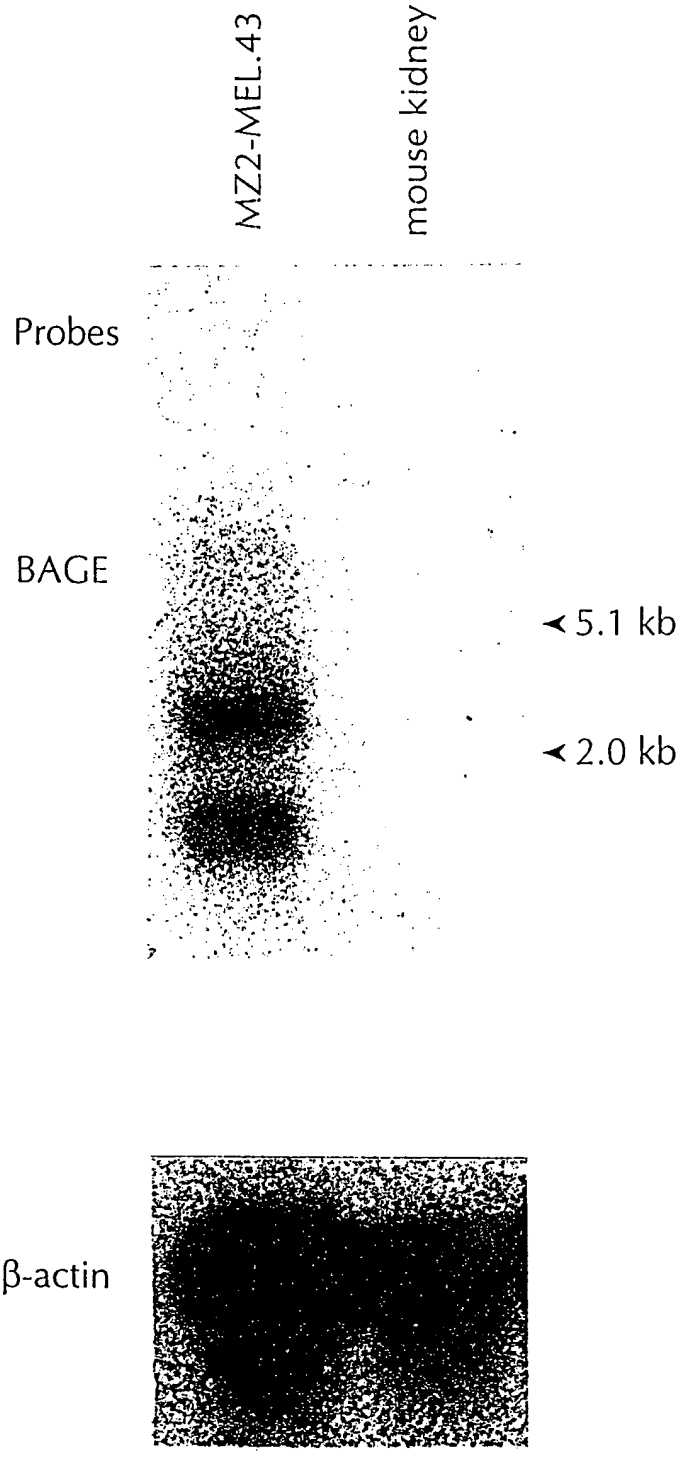


FIG. 7

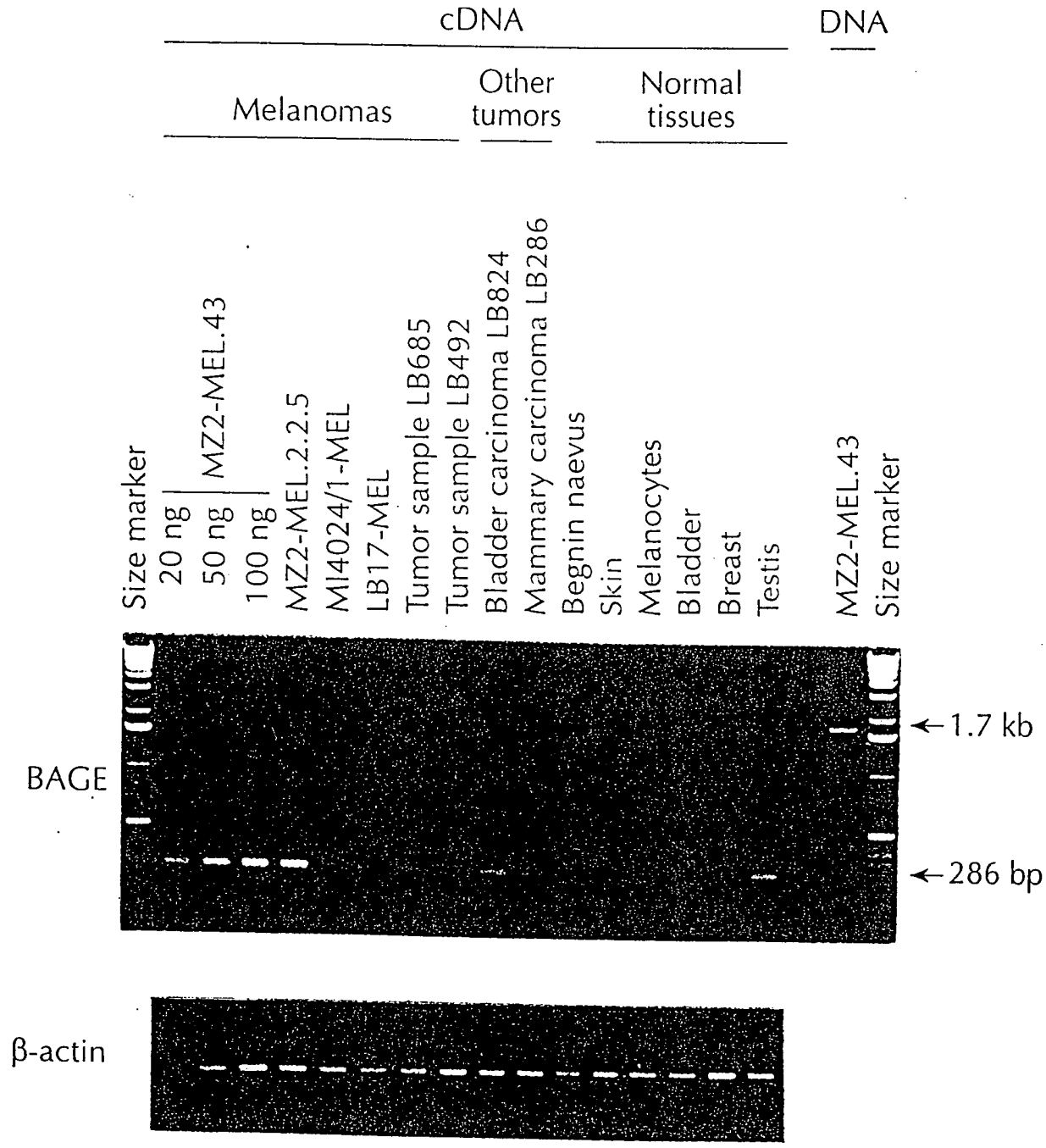
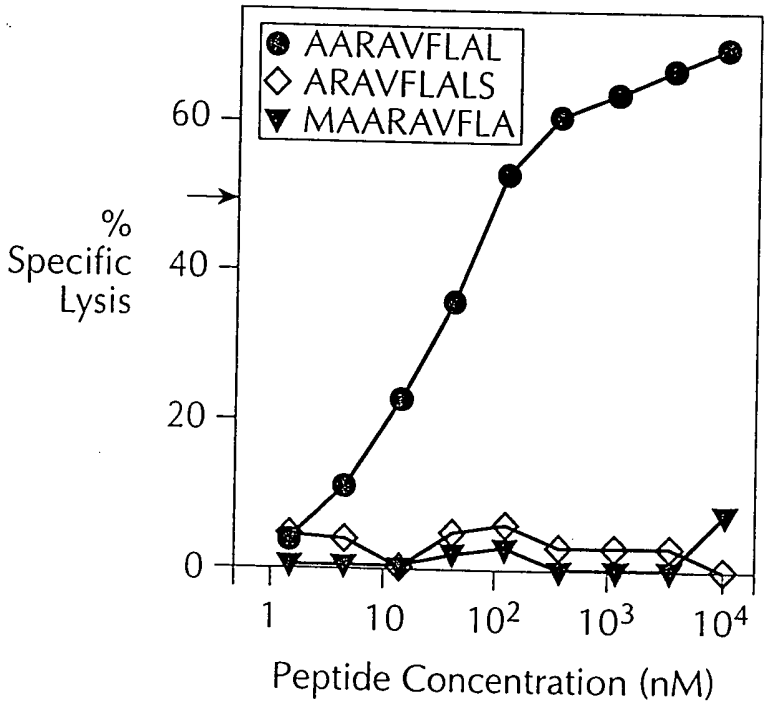

cDNA
DNA
Melanomas
Other tumors
Normal tissues
Size marker
20 ng
50 ng
100 ng
MZ2-MEL.43
MZ2-MEL.2.2.5
MI4024/1-MEL
LB17-MEL
Tumor sample LB685
Tumor sample LB492
Bladder carcinoma LB824
Mammary carcinoma LB286
Begnin naevus
Skin
Melanocytes
Bladder
Breast
Testis
MZ2-MEL.43
Size marker
BAGE
1.7 kb
286 bp
β-actin

FIG. 8


AARAVFLAL
ARAVFLALS
MAARAVFLA
60
40
20
0
% Specific Lysis
1
10
10²
10³
10⁴
Peptide Concentration (nM)